



PATENT
Docket No. 2080-3021C5

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:
In Hwan Choi et al.
Serial No: 10/791,031
Filed: March 1, 2004
For: VSB RECEPTION SYSTEM WITH ENHANCED
SIGNAL DETECTION FOR PROCESSING
SUPPLEMENTAL DATA

Art Unit: 2614

Examiner:

**TRANSMITTAL OF INFORMATION DISCLOSURE
STATEMENT**

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

February 4, 2005

Date of Deposit


Robert E. Kasody

02/04/2005

In accordance with 37 CFR § 1.56 and 1.97, enclosed please find a copy of Form PTO-1449 listing the attached references which might be deemed material to the examination of the above-identified application.

1. Non-English Language References

- ☐ Enclosed is a search report for a counterpart application. The search report Examiner has provided comments on the relevancy of any non-English language references cited in the search report.
- ☐ The specification incorporates comments on the relevancy of Non-English language references.
- ☐ Set forth below are comments provided by the applicant's home country counsel on the relevancy of non-English language references:

2. ☒ The information disclosure statement submitted herewith is being filed within three months of the filing date of the national application other than a continued prosecution application (CPA) or date of entry into the national stage of an international application or before the mailing date of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 1.114 whichever event occurs last. 37 C.F.R. § 1.97(b) (as amended September 2000).

3. ☐ The information disclosure statement transmitted herewith is being filed *after* three months of the filing date of this national application or the date of entry of the national stage as set forth in § 1.491 in an international application or after the mailing date of the

first Office Action on the merits, whichever event occurred last but *before* the mailing date of either: 37 C.F.R. § 1.97(c) (as amended September 2000).

- (1) a final action under § 1.113 or
- (2) a notice of allowance under § 1.311, whichever occurs first.

STATEMENT OR FEE

A. Included with this transmittal is

- i. ☐ a certification (set forth below) in accordance with 37 C.F.R. § 1.97(e). (If for any reason the certificate set forth below should be unsatisfactory, the Commissioner is provisionally authorized to charge the \$180 fee (37 C.F.R. § 1.17(p)) to Deposit Account No. 502290. A copy of this sheet is enclosed.)

OR

- ii. ☐ the attached fee set forth in 37 C.F.R. § 1.17(p) for submission of an information disclosure statement under § 1.97(c). (\$180.00).

- 4. ☐ The information disclosure statement transmitted herewith is being filed *after* a final action under § 1.113 or a notice of allowance under § 1.311, whichever occurs first, but before, or simultaneously with the payment of the issue fee. 37 C.F.R. § 1.97(d) (as amended September 2000).

STATEMENT AND FEE

A. In accordance with the requirements of 37 C.F.R. § 1.97(d):

- i. Set forth below is a certification as specified in 37 C.F.R. § 1.97(e); **AND**
- ii. Applicant submits the petition fee set forth in § 1.17(p). (\$180.00).

STATEMENT

(Required if 3Ai or 4 above is marked)

5. I, the person signing below, certify

- ☐ that each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application and that the communication is dated not more than three months prior to the filing of the information disclosure statement. 37 C.F.R. § 1.97(e)(1).

OR


- ☐ that no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information disclosure statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the statement. 37 C.F.R. § 1.97(e)(2).

6. If it should be determined that for any reason either an insufficient fee or an excessive fee has been paid, please charge any insufficiency or credit any overpayment necessary to ensure consideration of the information disclosure statement for the above-identified application to **Deposit Account No. 502290**. A copy of this petition is enclosed.

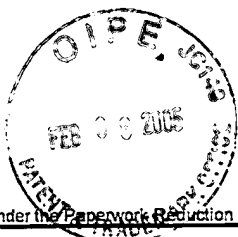
Respectfully submitted,

Lee, Hong, Degerman, Kang & Schmadeka

Date: February 4, 2005

By: 
Robert E. Kasody
Registration No. 50,268
Attorney for Applicant(s)

801 S. Figueroa Street, 14th Floor
Los Angeles, California 90017
Telephone: 213-623-2221
Facsimile: 213-623-2211



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/791,031
Filing Date	March 1, 2004
First Named Inventor	In Hwan Choi, et al.
Art Unit	
Examiner Name	
Attorney Docket Number	2080-3021C5

Sheet 1 of 2

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 5946047	08-31-1999	Levan	
		US- 6490002	12-03-2002	Shintani	
		US- 6760077	07-06-2004	Choi et al.	
		US- 6075569	06-13-2000	Lee et al.	
		US- 5636252	06-03-1997	Patel et al.	
		US- 5629958	05-13-1997	Wilming	
		US- 5602595	02-11-1997	Citta et al.	
		US- 5600677	02-04-1997	Citta et al.	
		US- 5706312	06-06-1998	Wei	
		US- 2004/0240590	12-02-2004	Cameron et al.	
		US- 6708149	03-16-2004	Turin	
		US- 6690738	02-10-2004	Swenson et al.	
		US- 5233630	08-03-1993	Wolf	
		US- 5488691	01-30-1996	Fuoco et al.	
		US- 6788710	09-07-2004	Knutson et al.	
		US- 5831690	11-03-1998	Lyons et al.	
		US- 6697098	02-24-2004	Wang	
		US- 5488691	01-30-1996	Fuoco et al.	
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

2

of

2

Complete if Known

Application Number	10/791,031
Filing Date	March 1, 2004
First Named Inventor	In Hwan Choi et al.
Art Unit	
Examiner Name	
Attorney Docket Number	2080-3021C5

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 5,636,251	06-03-1997	Citta et al.	
		US- 5,629,958	05-13-1997	Wilming	
		US- 5,600,677	02-04-1997	Citta et al.	
		US- 60/198,014		Brett et al.	
		US- 5,555,024	09-10-1996	Limberg et al.	
		US- 6,208,643	03-12-2001	Dieterich et al.	
		US- 6,743,025	07-13-2004	Leatherbury et al.	
		US- 2002/0085632	07-04-2002	Choi et al.	
		US- 5,923,711	07-13-1999	Wilming	
		US- 6,724,832	04-20-2004	Hershberger	
		US- 5,087,975	02-11-1992	Citta et al.	
		US- 5,563,884	10-11-1996	Fimoff et al.	
		US- 6,519,298	02-11-2003	Kim	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ "Number" ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.